

Atty. Dkt. No. 058315-0135

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Florian LANG et al.  
Title: CELL VOLUME-REGULATED HUMAN KINASE H-SGK  
Appl. No.: divisional of 09/031,295  
Filing Date: concurrently herewith  
Examiner: unassigned  
Art Unit: unassigned

1c955 U.S. PTO  
10/00039  
12/04/01

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Applicants submit herewith on Form PTO-1449 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/031,295, filed 02/26/1998. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date Dec 4, 2001

By Michele M. Simkin

FOLEY & LARDNER  
Washington Harbour  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-5143  
Telephone: (202) 672-5538  
Facsimile: (202) 672-5399

Michele M. Simkin  
Attorney for Applicant  
Registration No. 34,717

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 058315-0135		SERIAL NO. unassigned	
<b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i>				APPLICANT Florian LANG et al.			
				FILING DATE concurrently herewith		GROUP ART UNIT unassigned	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	5,863,780	1/99	Au-Young et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	A2	98/11234	03/98	WIPO			
	A3	0 887 081	12/98	Europe			
	A4	0 416 499	03/91	Europe			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	A5	WALDEGGER et al., "cloning and characterization of a putative human serine/threonine protein kinase transcriptionally modified during anisotonic and isotonic alterations of cell volume" Proceedings of National Academy of Sciences of USA, 94(9):4440-4445 (April 1997) ©Cell Biology.					
	A6	EMBL Database, Heidelberg, FRG Accession number EMHUM2: Y10032 6 February 1997, WALDEGGER, S. "H sapiens mRNA for putative serine/threonine protein kinase" XP002112098					
	A7	WEBSTER et al., "Characterization of <i>sgk</i> , a Novel Member of the Serine/Threonine Protein Kinase Gene Family Which is Transcriptionally Induced by Glucocorticoids and Serum" <b>Mol. Cell. Biol.</b> 13:2031-2040 (1993)					
	A8	BURG, "Molecular basis of osmotic regulation" <b>Am. J. Physiol</b> 268:F983-F996 (1995) © the American Physiological Society.					
	A9	HÄUSSINGER et al., "Regulation of cell function by the cellular hydration state" <b>Am. J. Physiol</b> 267:E343-E355 (1994) ©the American Physiological Society.					
	A10	MINTON, "The effect of volume occupancy upon the thermodynamic activity of proteins: some biochemical consequences" <b>Mol. Cell. Biochem.</b> 55:119-140 (1983) ©Martinus Nijhoff Publishers.					
	A11	McMANUS et al., "Regulation of Cell Volume in Health and Disease" <b>New England J. Med</b> 333 (19):1260-1266 (1995)					
	A12	DEMERDASH et al., "Pathways through which glucose induces a rise in $[Ca^{2+}]_i$ of polymorphonuclear leukocytes of rats" <b>Kidney international</b> 50:2032-2040 (1996) ©International Society of Nephrology.					
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if citation considered, whether or not citation is in conference with MPEP 609; Draw line through citation if not in conference and not considered. Include any copy of this form with next communication to applicant.							

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				FILING DATE concurrently herewith		GROUP ART UNIT unassigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A13	HÄUSSINGER et al., "Cellular hydration state: an important determinant of protein catabolism in health disease" <u>Lancet</u> 341:1330-1332 (1993)					
	A14	BURG, "Molecular Basis for Osmoregulation fo Organic Osmolytes in Renal Medullar Cells" <u>J. Exp. Zool.</u> 268:171-175 (1994) ©Wiley-Liss, Inc.					
	A15	NORENBERG, "Astrocyte Responses to CNC Injury" <u>J. of Neuropathology and Exp.Neurol.</u> 53(3):213-220 (1994) ©American Association of Neuropathologists.					
	A16	KREIS et al., "Localized <sup>1</sup> H NMR Spectroscopy in Patients with chronic Hepatic Encephalopathy. Analysis of Changes in Cerebral Glutamine, Choline and Inositols" <u>NMR Biomed.</u> 4:109-116 (1991) ©John Wiley & Sons, Ltd.					
	A17	McCLELLAND et al., "Interactions among regulators of RNA abundance characterized using RNA fingerprinting by arbitrarily primed PCR" <u>Nucleic Acids. Res</u> 22(21):4419-4431 (1994) ©Oxford University Press.					
	A18	SANGUINETI et al., "Rapid Silver Staining and Recovery of PCR Products Separated on Polyacrylamide Gels" Short Technical Reports <u>Biotechniques</u> 17(5):915-919 (1994)					
	A19	PEARSON et al., "Improved tools for biological sequence comparison" <u>Proc. Natl. Acad. Sci. USA</u> 85:2444-2448 (1988)					
	A20	IMAIZUMI et al., "Differential expression of <i>sgk</i> mRNA, a member of the Ser/Thr protein kinase gene family, in rat brain after CNS injury" <u>Mol. Brain Res.</u> 26:189-196 (1994) ©Elsevier Science B.V.					
	A21	RICHARDS et al., "Ovarian Cell Differentiation: A Cascade of Multiple Hormones, Cellular Signals, and Regulated Genes" <u>Recent Prog. Horm. Res.</u> 50:223-254 (1995)					
	A22	WEBSTER et al., "Immediate-early Transcriptional Regulation and Rapid mRNA Turnover of a Putative Serine/Threonine Protein Kinase" <u>J- Biol. Chem.</u> 268(16):11482-11485 (1993) ©The American Society for Biochemistry and Molecular Biology, Inc.					
	A23	Sigma Catalog, 1994					
EXAMINER				DATE CONSIDERED			
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